Site	Location	Date Issued	Contaminant	Health Effects	Selected Remedy (for sediment) OU-1
Hudson River PCB Site - 1st ROD	New York	1984	PCB		Interim no-action for sediment & capping for former impoundment; cap included geosynthetic clay liner + 2-ft soil & revegetation; river bank stabilized with rock.
Hudson River PCB Site - 2st ROD	New York	2002	PCB	PCBs are probable human carcinogens and can also affect the immune, reproductive, nervous, and endocrine systems.	Dredge 2.65 million cubic yards of sediment from 40 river miles; backfill 1 ft over residuals; MNA for remaining; ICs. (ALT Rem 3/10/Select)
American Creosote Works	not useful				
A merican Crossarm	not useful				
Ashland/Northern States Power	not useful				
Atlantic Wood Industries (OU-1)	Virginia	1995	PAH & PCP (also As, Cu, Zn)	Probable carcinogen; CNS; liver; kidney effects.	1995 ROD: Remove 815 cubic yards of sediment; OU-1 includes soil, sediment, and DNAPL. Remedy Response Unit 2 & 4 include the sediment. For sediment: excavation & land treatment (ALT 7) with low temperature desorption as a contingent remedy if TS shows land farming will not work. BUT - found more contaminated that thought & Selected remedy not most appropriate. 2007 ROD:

Cost - Selected Remedy	Alternatives (sediment)	IC	Action Level
$460,000,000 (NPV - Yr 2000) - is $110,000,000 less than larger removal alternative (ALT Rem 0/0/3).	4 total: No action; MNA; 18" capping (1-ft clay + 6" soil) + removal to accommodate cap + MNA; dredging + 1-ft cover for residuals + MNA	fishing consumption adviseries & fishing restrictions - administered by State authorities;	ROD- Remove > 3 gm/m^2 (Section 1) or > 10 gm/m^2 (Section 2) [mass per area] - "principle threat" level too; Cleanup standard - remove if > 1 ppm TRI+ PCBs (most toxic types).
$1,172,000 (NPV - 1995 ROD)	No action; excavation & on-site landfilling (RCRA C); excavation & off-site landfilling; excavation & on-site treatment with biological slurry reactor then landfilling (RCRA D) either on or off-site; excavation & land treatment; excavation & on-site or moff-site incineration; excavation & on-site thermal desorption;		.001 ppm dioxin (equals 1,000 ppt or ng/kg)

Monitoring	Fish	NPL Listing	Concentration	Human Health Risk	Ecological Risk
	Fishing bans already existing				
Long term fish & sediment monitoring.	"	"	Max - 4,000 mg/kg (Section 2); Highest avg - 42 mg/kg (Section 1)	Cancer: $1x10^{-3}$ Non-cancer: 104 (child)	Yes
		June-05	many PAHs	4.5×10^{-3} (on-site workers)	

Dredging Method	Comments	
Mechanical dredges with environmental clamshell buckets; computer/satellite controlled; if sed sample high then re-dredged; impossible to remove all PCBs from river; slowed or stopped dredging if re-suspension standard exceeded;ered & disposed off-site at a permitted facility; capped remaining high PCB areas after dredging (about 22% Phase 1 & 11% Phase 2 capped) - do two dredge passes then cap if too high.	Fish tissue concentration increased after dredging but fell back to pre-dredge levels in the following year.	
